

Technical data sheet

500 N Tablet Hardness and Diameter Tester

PT-H50 measures tablet breaking force and diameter using a 7-inch touchscreen interface. A 10-500 N force range, result statistics and USB spreadsheet export support laboratory batch records.

Key features

- Single-tablet or continuous measurement modes
- Three user-access levels and ten accounts
- Audit records, statistics, printing and USB export

Technical Information

Breaking-force range	10-500 N
Force resolution	0.01 N
Force accuracy	±1%
Tablet diameter range	3-28 mm
Diameter resolution	0.01 mm
Diameter accuracy	±0.1 mm
Stored results	100 samples × 40 results

Standard Configuration

Integrated breaking-force and diameter instrument with a 7-inch touchscreen.

A pressure sensor, fault self-diagnosis and one-touch unit switching support routine operation. Diameter units are mm or inch; confirm the secondary force-unit convention before use.

Result statistics can be printed or exported to USB in spreadsheet format. Confirm the printer and USB hardware supplied. Audit-trail functionality is listed, but retention, export, electronic signatures and regulatory compliance are not established by this specification. The basis of the $\pm 1\%$ force-accuracy value also requires confirmation.

Applications

Tablet breaking-force testing for formulation development and routine laboratory quality control. Orient each tablet consistently and select a force range appropriate to the dosage form.

Selection / Ordering Information

Specify tablet dimensions, expected breaking force, sample throughput and recording needs. Confirm fixtures, calibration accessories, power supply and destination-specific configuration in the quotation.

Related instruments

Manual Tablet Hardness Tester · PT-H1

Motorized Tablet Hardness Tester · PT-H1M

Review the configuration with PRECETTA before ordering.